

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.usplo.gov

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/088,723	07/22/2002	Benoit Couet	US57.0410-W0	6931
75	90 03/21/2005	EXAMINER		
Schlumberger	Doll Research perty Law Department	MILLER, ROSE MARY		
36 Old Quarry F		ART UNIT	PAPER NUMBER	
Ridgefield, CT		2856	. .	
			DATE MAIL ED: 03/21/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.



Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Serial No. : 10088723

Applicant: Benoit Couet Filing Date: July 22, 2002

Date Mailed: March 18, 2005

ACKNOWLEDGEMENT OF REQUEST

Notice of Allowance/Allowability Mailed

The request for a copy of the initialed PTO 1449, dated _	March 7, 2005	_, has been received by the U.S. Patent
and Trademark Office.		
Requested copy attached.		

SANTANA SIBOUNHEUANG For the Office of Patent Publication

Rev.02/24/05

M 1 8 200 CA	BR	resonance: an emerging technology	B., Bennion, D.B. and Jamaluddin, A.K.M., "Acoustic to identify wax and asphaltene precipitation onset in Meet. The Petroleum Society, Calgary, Canada, June		
TRADENIAM BS		Jamaluddin, A.K.M., Sivaraman, A., Imer, D. Thomas, F.B. and Bennion, D.B., "A proactive approach to address solids (wax and asphaltene) precipitation during hydrocarbon production", 8th Abu Dhabi Intern. Petroleum Exhibit., Abu Dhabi, U.A.E., 11-14 October, 1998, SPE 49465			
	ВТ	Emmons, D.H. and Jordan, M.M., "The development of near-real time monitoring of scale deposition", SPE Oilfield Scale Symposium, Aberdeen, 27-28 Jan., 1999			
	BU	Emmons, D.H., Graham, G.C., Holt,	S.P., and Jordan, M.M. "On-site, near-real-time E Annual Technical Conference and Exhibition,		
	BV	Gabrielli, C., Keddam, M., Khalil, A., "Quartz crystal microbalance investig J. Electrochem. Soc., 145, 2386-239	M., Khalil, A., Maurin, G., Perrot, H., Rosset, R. and Zidoune, M., lance investigation of electrochemical calcium carbonate scaling 45, 2386-2395 (1998).		
	BW	Nohata, Y. and Taguchi, H., "An ultrasensitive fouling monitoring system for cooling towers", <i>Materials Performance</i> , 34, 43-46 (1995).			
	ВХ	Stock, D.D., "The use of pressure drop measurements to monitor scale build pipelines and wells", Geothermal Resources Council Trans., 14, 1645-1651 (
	BY		rdeen: product brochures for P-MAC 2000, 3000 and		
	BZ	Flemming, H-C., Tamachkiarowa, A., Klahre, J. and Schmitt, J., "Monitoring of fou and biofouling in technical systems", Water Sci. Tech., 38, 291-298 (1998).			
CA CB CC CC		Esche, R., "Untersuchung der Schwingungkavitation in Flüssigkeiten", Acustica, 2, AB208-218 (1952);			
		Mason, T.J. and Lorimer, J.P., Sonochemistry: Theory, Applications and Uses of Ultrasound in Chemistry, p 31, Ellis Horwood, Chichester, UK (1988).			
		Gollapdi, U.K., Bang, S.S. and Islam, M.R., "Ultrasonic treatment for removal of asphaltene deposits during petroleum production", SPE International Conf. Formation Damage Control, Lafayette, Louisiana, February 1994, SPE 27377			
		Venkitaraman, A., Roberts, P.M. and Sharma. M.M., "Ultrasonic removal of near-wellbore damage caused by fines and mud solids", SPE Drilling & Completions, 10, 193-197 (1995).			
	CE	Roberts, P.M., Venkitaraman, A. and Sharma, M.M., "Ultrasonic removal of organic deposits and polymer induced formation damage", SPE Formation Damage Control Symp., Lafayette, Louisiana, February 1996, SPE 31129			
CF		Widener, M.W., "The development of high-efficiency narrow-band transducers and arrays", J. Acoust. Soc. Amer., 67, 1051-7 (1980);			
	CG	Widener, M.W., "The development of a deep submergence air-backed transducer", . Acoust. Soc. Amer., 80, 1852-3 (1986). Lal, A. and White, R.M., "Silicon microfabricated horns for power ultrasonics", Senso and Actuators, A54, 542-546 (1996).			
	СН				
EXAMINER	0.	0.00	DATE CONSIDERED		

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.

2. This is not a representation that a search has been made.